

DERWENT-ACC-NO: 2000-579628
DERWENT-WEEK: 200055
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TITLE: Male blanking die/female blanking die combination
for making formable
paperboard containers

INVENTOR: SANDFORD, P E

PATENT-ASSIGNEE: SANDFORD P E[SANDI]

PRIORITY-DATA: 1999CA-2259785 (January 19, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
CA 2259785 A1	July 19, 2000	E
142	B26D 007/18	

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
CA 2259785A1	N/A	1999CA-2259785
January 19, 1999		

INT-CL (IPC): B26D007/18; B31B001/14

ABSTRACTED-PUB-NO: CA 2259785A

BASIC-ABSTRACT: NOVELTY - The combination includes a male stripping die comprising a template having a specified perimeter, the template including a number of foam plastic pads which are movably secured to the undersurface of the template. The template being accurately secured at a predetermined position to the underface of a movable upper plate of the blanking station of the die cutting machine.

DETAILED DESCRIPTION - The combination also includes a female blanking die comprising a rectangular framework and a number of grid support members, each

grid support member having a slot across its upper face, the members being selectively disposed along the internal perimeter of the framework. A grid is provided comprising a number of intersecting rails, the pattern of which has a predefined shape. The grid is disposed within the slots atop the grid support members. A number of jogger members are provided which are selectively disposed along the internal perimeter of the framework, each jogger member having a particularly-recited structure. The jogger members are oriented along the internal perimeter of the rectangular framework in a particularly-recited way. The female blanking die is accurately secured at a predetermined position atop a lower fixed plate of the blanking station of the die cutting machine. The male stripping die and the female blanking die are accurately aligned to cooperate to press and separate the carton blanks from a web holding them together, and to force the separated cartons through aligned openings in the female blanking die.

USE - The combination is for the automatic die cutting of blanks primarily for making formable paperboard containers.

ADVANTAGE - The male blanking die is aligned accurately with the female blanking die.

DESCRIPTION OF DRAWING(S) - The figure shows a perspective view of a seventh step in the production of the female blanking die, illustrating removal of the template.

CHOSEN-DRAWING: Dwg.12/27

TITLE-TERMS:

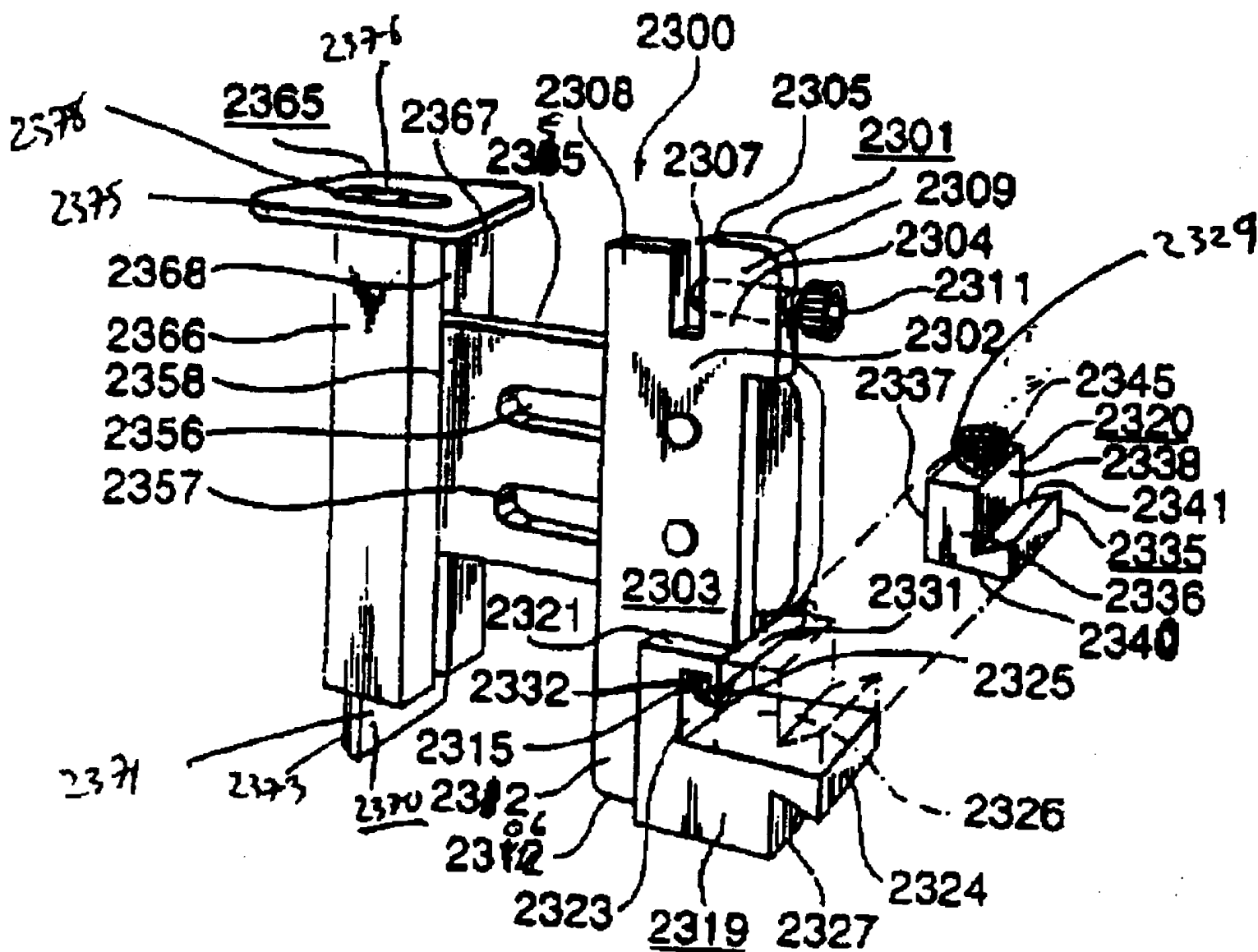
MALE BLANK DIE FEMALE BLANK DIE COMBINATION FORMING PAPERBOARD CONTAINER

DERWENT-CLASS: P62 P72 X25

EPI-CODES: X25-A;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N2000-428926



DERWENT-ACC-NO: 2001-390564
DERWENT-WEEK: 200142
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TITLE: Jogger member for erecting a universal press frame
for a female
blanking die in a die cutting machine for manufacture of
cartons, has uses
connecting rails with flanges defining a groove

INVENTOR: SANDFORD, P E

PATENT-ASSIGNEE: SANDFORD P E[SANDI]

PRIORITY-DATA: 1999CA-2287035 (October 20, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
CA 2287035 A1	April 20, 2001	E
080	B26D 007/18	

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
CA 2287035A1	N/A	1999CA-2287035
October 20, 1999		

INT-CL (IPC): B26D007/18; B31B001/14

ABSTRACTED-PUB-NO: CA 2287035A

BASIC-ABSTRACT: NOVELTY - The jogger member has a base, and devices which are operatively associated with it for selectively, but rigidly securing the jogger to the interior perimeter of the rectangular framework. An adjustable support is adjustably-slidably disposed with respect to the base. A guide with an upper, and a lower edge, is secured to one face of the adjustable support to provide an extending guiding face. The connecting rails of the universal press frame has in internal groove with a longitudinally-extending flange and a lower

upstanding flange, defining the internal groove.

DETAILED DESCRIPTION - The universal press frame has a rectangular framework of connecting rails comprising two side rails, a front rail, and a rear rail. The jogger members are selectively disposed within the internal groove in the rails and along the interior perimeter of the rectangular framework.

INDEPENDENT CLAIMS are given for: (i) a support leg for use in erecting a universal press frame, (ii) a template corner locking clamp, (iii) a center line bracket, (iv) an auxiliary adjustable support member, and (v) a grid support bracket.

USE - For cutting and scoring of blanks in production of stamped out carton forms.

ADVANTAGE - Solves the problem of accurately aligning a male blanking die with a female blanking die in a die cutting machine. Provides a set of novel elements for supporting and guiding a blanked sheet, which has its side edges removed as it is automatically urged into the blanking station.

DESCRIPTION OF DRAWING(S) - The figure shows the side rail jogger member.

jogger member 2300

base 2301

rectangular plate 2302

parallel side faces 2303,2304

outer block 2309

dovetail block 2319

guide member 2365

cap 2375

CHOSEN-DRAWING: Dwg.21/36

TITLE-TERMS:

JOG MEMBER ERECT UNIVERSAL PRESS FRAME FEMALE BLANK DIE DIE
CUT MACHINE
MANUFACTURE CARTON CONNECT RAIL FLANGE DEFINE GROOVE

DERWENT-CLASS: P62 P72

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N2001-287286

L Number	Hits	Search Text	DB	Time stamp
1	27465	die near2 cut\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/09/16 06:17
2	7940	(die near2 cut\$4) and align\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/09/16 06:18
3	2	((die near2 cut\$4) and align\$3) and ((male adj1 blanking adj1 die) with align\$4 with (female adj1 blanking adj1 die))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/09/16 06:19